Dell Latitude E6420/E6520

Setup and Features Information

About Warnings

⚠ WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

Latitude E6420 Front And Back View

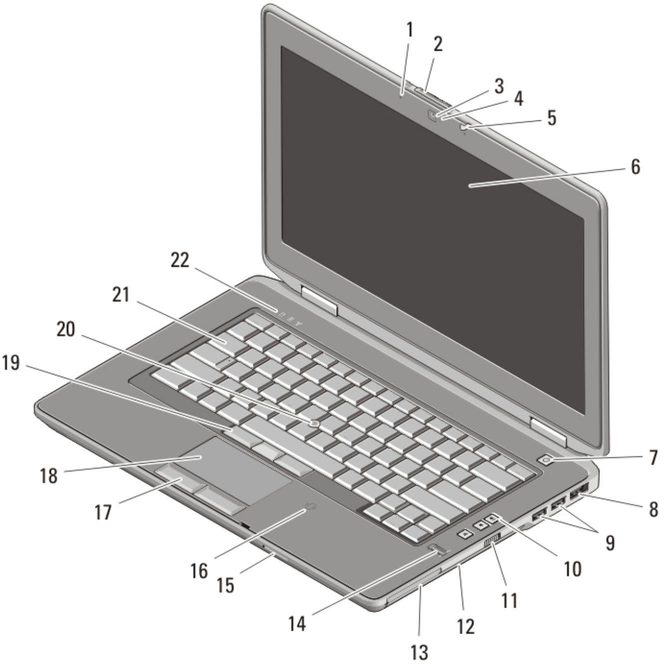


Figure 1. Front View

1. microphone
2. display release latch
3. camera
4. camera status light
5. display latch
6. display
7. power button
8. eSata/USB connector
9. USB 2.0 connectors (2)
10. volume control buttons
11. wireless switch
12. optical drive

01CNH2A00

Regulatory Model: P15G, P14F
Regulatory Type: P15G001, P14F001
February 2011

13. ExpressCard slot
14. fingerprint reader
15. Secure Digital (SD) memory-card reader
16. contactless smart card reader
17. touchpad buttons (2)
18. touchpad
19. trackstick buttons (3)
20. trackstick
21. keyboard
22. device status lights

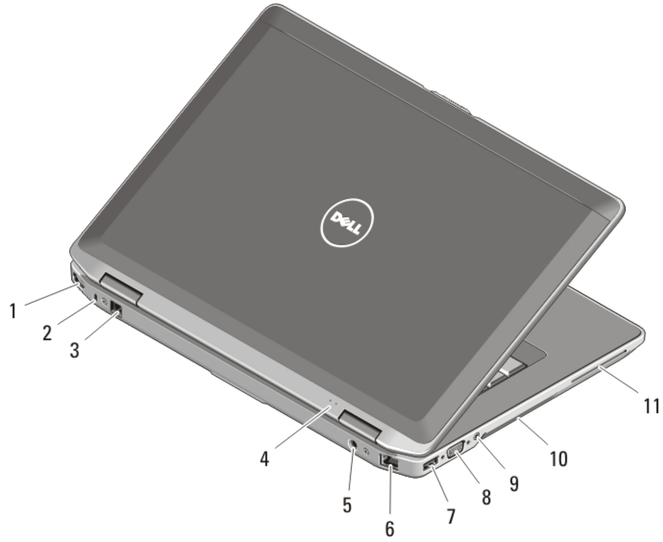


Figure 2. Back View

1. HDMI connector
2. security cable slot
3. modem connector
4. power and battery status lights
5. power connector
6. network connector
7. USB 2.0 connector
8. VGA connector
9. audio connector
10. cooling vents
11. smart card slot

WARNING: Do not block, push objects into, or allow dust to accumulate in the air vents. Do not store your Dell computer in a low-airflow environment, such as a closed briefcase, while it is running. Restricting the airflow can damage the computer or cause a fire. The computer turns on the fan when the computer gets hot. Fan noise is normal and does not indicate a problem with the fan or the computer.

Latitude E6520 Front And Back View

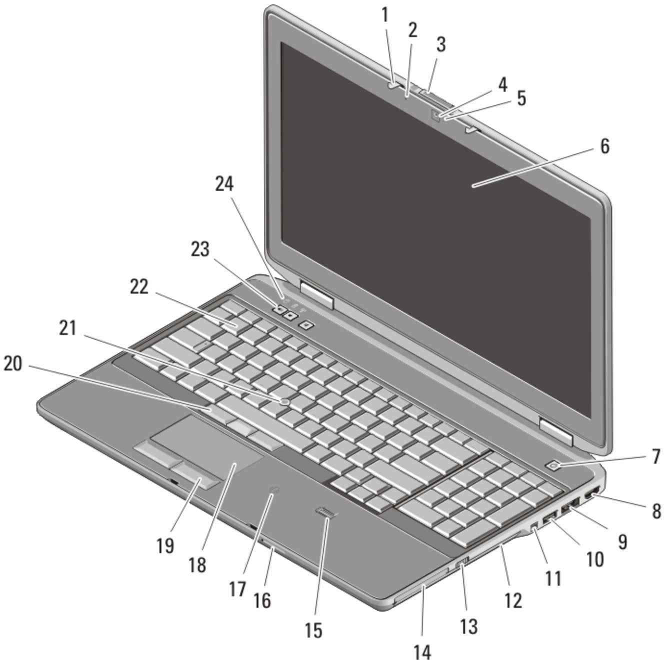


Figure 3. Front View

1. display latch
2. microphone
3. display release latch
4. camera
5. camera status light
6. display
7. power button
8. HDMI connector
9. eSata/USB connector
10. USB 2.0 connector
11. IEEE 1394 connector
12. optical drive
13. wireless switch
14. ExpressCard slot
15. fingerprint reader
16. Secure Digital (SD) memory-card reader
17. contactless smart card reader
18. touchpad
19. touchpad buttons (2)
20. trackstick buttons (3)
21. trackstick
22. keyboard
23. volume control buttons
24. device status lights

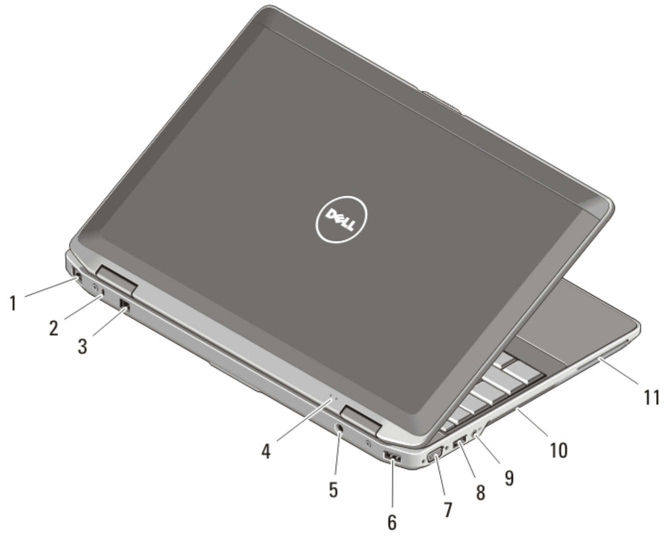


Figure 4. Back View

1. network connector
2. security cable slot
3. modem connector
4. power and battery status lights
5. power connector
6. USB 2.0 connector
7. VGA connector
8. USB 2.0 connector
9. audio connector
10. cooling vents
11. smart card slot

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Quick Setup

WARNING: Before you begin any of the procedures in this section, read the safety information that shipped with your computer. For additional best practices information, see www.dell.com/regulatory_compliance.

WARNING: The AC adapter works with electrical outlets worldwide. However, power connectors and power strips vary among countries. Using an incompatible cable or improperly connecting the cable to the power strip or electrical outlet may cause fire or equipment damage.

CAUTION: When you disconnect the AC adapter cable from the computer, grasp the connector, not the cable itself, and pull firmly but gently to avoid damaging the cable. When you wrap the AC adapter cable, ensure that you follow the angle of the connector on the AC adapter to avoid damaging the cable.

NOTE: Some devices may not be included if you did not order them.

1. Connect the AC adapter to the AC adapter connector on the computer and to the electrical outlet.

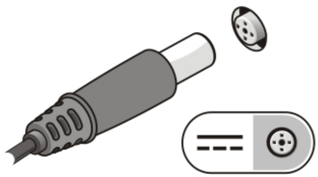


Figure 5. AC Adapter

2. Connect the network cable (optional).

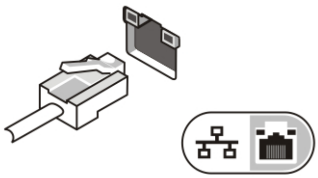


Figure 6. Network Connector

3. Connect USB devices, such as a mouse or keyboard (optional).

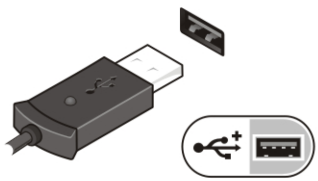


Figure 7. USB Connector

4. Connect IEEE 1394 devices, such as a 1394 hard drive (optional).

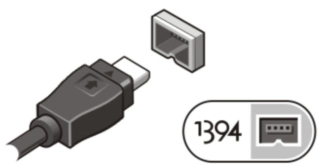


Figure 8. 1394 Connector

5. Open the computer display and press the power button to turn on the computer.

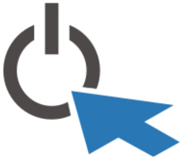


Figure 9. Power Button

NOTE: It is recommended that you turn on and shut down your computer at least once before you install any cards or connect the computer to a docking device or other external device, such as a printer.

Specifications

NOTE: Offerings may vary by region. The following specifications are only those required by law to ship with your computer. For more information regarding the configuration of your computer, click **Start** → **Help and Support** and select the option to view information about your computer.

System Information	
Chipset	Intel Mobile Express Series 6 chipset
Processor	Intel Core i3/i5/i7 series (2nd generation)

Video	
Video type	• integrated on system board • discrete
Data bus	
UMA	integrated video
Discrete	• PCI-E x16 Gen1 • PCI-E x16 Gen2
Video controller	
UMA	Intel Graphics
Discrete	NVIDIA N12P with 512MB DDR3 switchable

Memory	
Memory connector	two SODIMM slots
Memory capacity	1 GB, 2 GB, or 4 GB
Memory type	DDR3 SDRAM (1333 MHz)
Minimum memory	1 GB
Maximum memory	8 GB

Battery	
Type	• 4-cell "smart" Lithium ion • 6-cell "smart" Lithium ion • 9-cell "smart" Lithium ion
Dimensions:	
4–cell and 6–cell	
Depth	48.08 mm (1.90 inches)
Height	20.00 mm (0.79 inches)
Width	208.00 mm (8.19 inches)
9–cell	
Depth	71.79 mm (2.83 inches)
Height	20.00 mm (0.79 inches)
Width	214.00 mm (8.43 inches)
Weight:	
4-cell	240.00 g (0.53 lb)
6-cell	344.73 g (0.76 lb)
9-cell	508.02 g (1.12 lb)
Voltage:	
4-cell	14.80 VDC
6-cell and 9-cell	11.10 VDC
Temperature range:	
Operating	0 °C to 35 °C (32 °F to 95 °F)

Battery	
Non-Operating	–40 °C to 65 °C (–40 °F to 149 °F)
Coin-cell battery	3 V CR2032 lithium coin cell

AC Adapter	
Type	65 W, 90 W, and 150 W **NOTE:** 65 W AC adapter is available only for computers with integrated video card. **NOTE:** 150 W AC adapter is only available with Latitude E6420.
Input voltage	100 VAC to 240 VAC
Input current (maximum)	1.50 A, 1.60 A, 1.70 A, and 2.10 A
Input frequency	50 Hz to 60 Hz
Output power	65 W, 90 W, and 150 W
Output current	3.34 A, 4.62 A and 7.70 A (continuous)
Rated output voltage	19.5 +/– 1.0 VDC
Temperature range:	
Operating	0 °C to 40 °C (32 °F to 104 °F)
Non-Operating	–40 °C to 70 °C (–40 °F to 158 °F)

Physical	
Latitude E6420	
Height	26.90 mm to 32.40 mm (1.06 inches to 1.27 inches)
Width	352.00 mm (13.86 inches)
Depth	241.00 mm (9.49 inches)
Weight (with 4-cell battery)	2.07 kg (4.56 lb)
Latitude E6520	
Height	28.30 mm to 34.20 mm (1.11 inches to 1.35 inches)

Physical	
Width	384.00 mm (15.12 inches)
Depth	258.00 mm (10.16 inches)
Weight (with 4-cell battery)	2.50 kg (5.52 lb)

Environmental	
Temperature:	
Operating	0 °C to 35 °C (32 °F to 95 °F)
Storage	–40 °C to 65 °C (–40 °F to 149 °F)
Relative humidity (maximum):	
Operating	10 % to 90 % (noncondensing)
Storage	5 % to 95 % (noncondensing)
Altitude (maximum):	
Operating	–15.2 m to 3048 m (–50 ft to 10,000 ft)
Non-Operating	–15.2 m to 10,668 m (–50 ft to 35,000 ft)
Airborne contaminant level	G2 or lower as defined by ISA- S71.04–1985

Finding More Information and Resources

See the safety and regulatory documents that shipped with your computer and the regulatory compliance website at **www.dell.com/regulatory_complianc**e for more information on:

- Safety best practices
- Regulatory certification
- Ergonomics

See **www.dell.com** for additional information on:

- Warranty
- Terms and Conditions (U.S. only)
- End User License Agreement